

What is claimed is:

1. A method for forming a magnetic gap for a video signal erasure head, wherein:

said erasure head comprises a back core made of a magnetic substance which is wound with an excitation coil and a front core arranged opposite to said back core;

said front core includes two magnetic substance constituting a magnetic path and a non-magnetic substance providing a magnetic gap arranged therebetween; and

said magnetic gap forming method comprises the steps of:

sandwiching said non-magnetic substance between said two magnetic substances when said front core is assembled; and

adhering or welding said magnetic substances and said non-magnetic substance integrally.

2. The method according to Claim 1, comprising the steps of:

sandwiching a plate-shaped non-magnetic substance providing a magnetic gap between said two magnetic substances and then adhering or welding said non-magnetic substance to said magnetic substances, thus forming an integrated assembly;

cutting a face providing a rear side of a head in a head height direction in said assembly to thereby form a groove therein; and

polishing a face providing a front side of said head in said assembly to an axis-symmetrical curved face.

3. The method according to Claim 2, further comprising a step of cutting a head height direction a face providing a rear side of said head in said assembly to thereby form a groove therein in said step of forming said assembly.

4. The method according to Claim 2, wherein prior to said step of forming said assembly, a groove is previously formed by cutting in a face providing a head rear side of a magnetic substance.

5. The method according to Claim 2, wherein:
said assembly is formed as a block having a size enough to form a plurality of front cores therein at a time; and
said method further comprises a step of cutting and dividing said assembly in a direction perpendicular to the face of said non-magnetic substance into a plurality of sub-assemblies having an equal size, to prior to said polishing step.

6. The method according to Claim 5, further comprising a step of cutting a face providing a rear side of said head in said assembly formed by said assembly forming step in a head height direction to thereby form a groove therein.

7. The method according to Claim 5, wherein prior to said assembly forming step, a groove is previously formed by cutting in a face providing a head rear side of a magnetic substance.

8. A video signal erasure head comprising a back core made of a magnetic

substance wound with an excitation coil and a front core which is arranged opposite to the back core and also which includes two magnetic substances constituting a magnetic path between which is arranged a non-magnetic substance providing a magnetic gap, wherein:

in said front core, said two magnetic substances and said non-magnetic substance are fixed by adhesion or welding.

9. A video recorder equipped with a video signal erasure head, wherein:

said erasure head comprises a back core made of a magnetic substance wound with an excitation coil and a front core arranged opposite to the back core;

said front core comprises two magnetic substance constituting a magnetic path and a non-magnetic substance providing a magnetic gap; and

said non-magnetic substance is adhered or welded between said two magnetic substances.